

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P995483

Luminaire Tested: 22D3X-LP-WD-20-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-20-L927.ies
Description: 2x2 D3X-LP AT 2000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

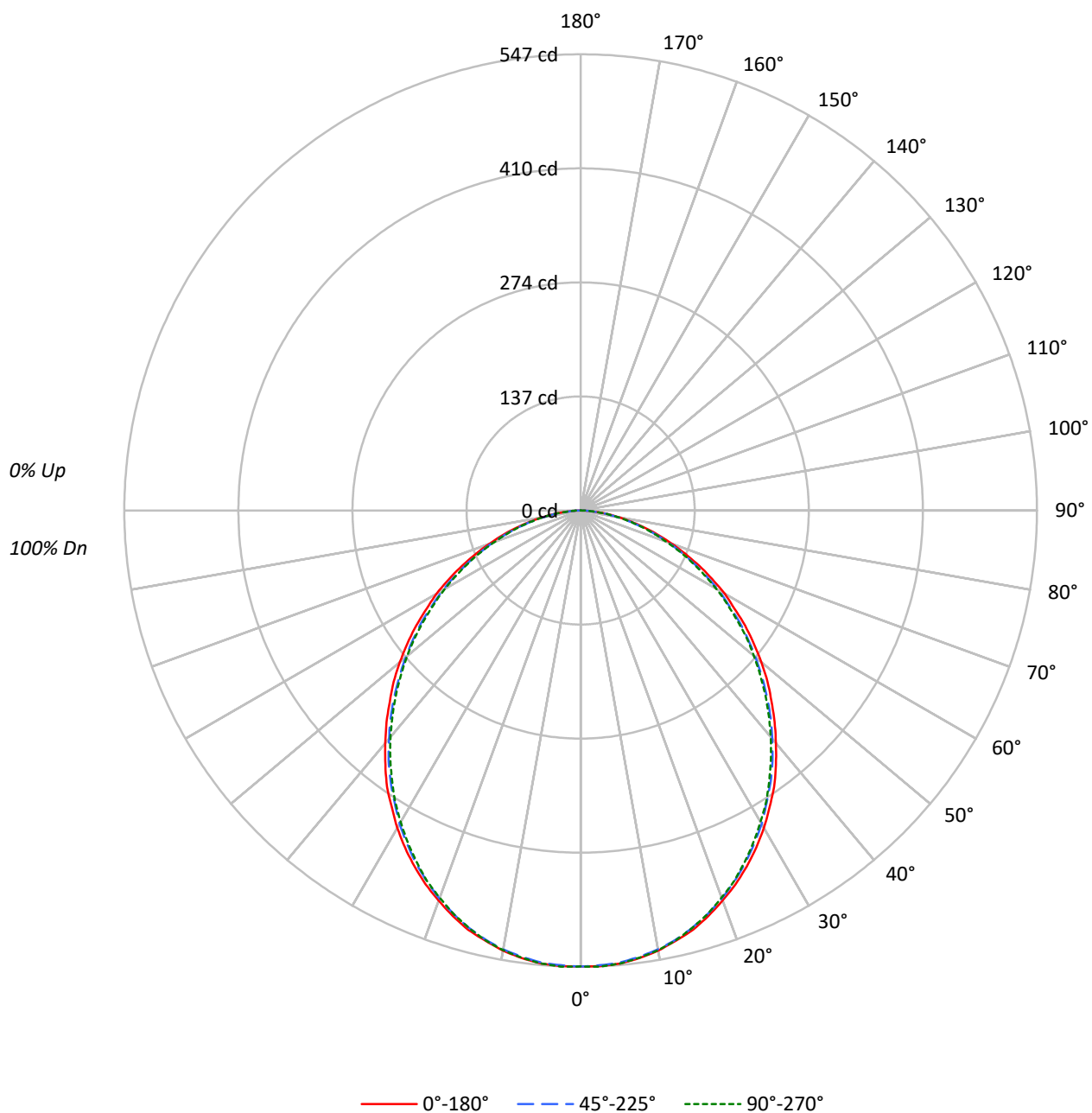
Lumens per Lamp: N/A
Luminaire Lumens: 1366.3 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1471	1471	1471
5°	1472	1469	1472
10°	1464	1460	1463
15°	1450	1443	1443
20°	1425	1418	1414
25°	1398	1386	1381
30°	1366	1349	1340
35°	1329	1304	1295
40°	1280	1255	1245
45°	1231	1202	1192
50°	1183	1145	1135
55°	1129	1088	1073
60°	1073	1026	1011
65°	998	950	940
70°	913	878	857
75°	833	781	787
80°	717	676	683
85°	556	537	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	3.8
10°-20°	146.0	10.7
20°-30°	215.1	15.7
30°-40°	248.8	18.2
40°-50°	244.6	17.9
50°-60°	208.5	15.3
60°-70°	149.4	10.9
70°-80°	81.1	5.9
80°-90°	21.2	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	412.8	30.2
0°-40°	661.6	48.4
0°-60°	1114.6	81.6
0°-90°	1366.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	547	547	547	547	547	
5°	545	544	544	544	545	52
15°	521	518	518	517	518	147
25°	471	469	467	466	465	217
35°	405	401	397	395	394	252
45°	324	321	316	313	313	250
55°	241	236	232	229	229	215
65°	157	154	149	148	148	155
75°	80	77	75	74	76	85
85°	18	18	17	17	16	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	546.7	546.7	546.7	546.7	546.7
2.5°	546.7	546.2	545.7	546.2	547.3
5°	545.1	544.0	544.0	544.0	545.1
7.5°	541.3	540.2	539.7	540.2	540.8
10°	535.9	534.8	534.2	534.8	535.3
12.5°	528.2	527.7	527.1	527.1	527.7
15°	520.6	518.4	517.9	517.3	517.9
17.5°	509.7	509.2	507.0	507.0	507.0
20°	497.7	496.6	495.0	493.9	493.9
22.5°	485.2	484.1	481.4	480.3	480.9
25°	471.0	468.9	466.7	465.6	465.1
27.5°	455.8	453.6	450.4	448.7	448.7
30°	439.5	437.8	434.0	431.8	431.3
32.5°	421.5	420.4	415.0	413.9	413.9
35°	404.6	401.3	397.0	394.8	394.3
37.5°	384.5	382.3	377.9	375.2	374.7
40°	364.3	361.6	357.2	355.1	354.5
42.5°	344.2	341.4	337.1	334.4	333.8
45°	323.5	321.3	315.8	313.1	313.1
47.5°	303.9	299.5	294.6	292.4	291.9
50°	282.6	278.8	273.4	271.2	271.2
52.5°	261.4	258.7	252.7	251.6	250.5
55°	240.7	236.3	232.0	229.3	228.7
57.5°	218.4	214.6	210.2	208.0	208.0
60°	199.3	194.4	190.6	187.9	187.9
62.5°	177.5	173.2	169.4	167.7	167.2
65°	156.8	153.6	149.2	147.6	147.6
67.5°	136.1	133.4	129.6	128.0	128.5
70°	116.0	114.4	111.6	109.5	108.9
72.5°	97.5	95.3	92.6	92.0	92.0
75°	80.1	77.3	75.1	74.1	75.7
77.5°	62.1	60.4	59.4	58.8	59.4
80°	46.3	44.1	43.6	44.1	44.1
82.5°	32.1	31.0	30.5	30.5	30.5
85°	18.0	18.0	17.4	16.9	16.3
87.5°	7.1	7.1	7.6	7.6	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)